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(54) Title: MATERIALS AND METHODS FOR IMPROVED SWEET CORN

(57) Abstract: The subject invention pertains to materials and methods for producing improved sweet corn. Sweet corn produced according to the present invention exhibits increased sweetness without a reduction in germination or seedling vigor. One aspect of the invention pertains to a dominant loss-of-function *sh2* allele. Another aspect of the invention pertains to a mixture of corn seed that provides for corn plants that produce improved sweet corn. A further aspect of the invention concerns methods for producing corn plants with increased sucrose content in their kernels.